

Diagram illustrating three cross-sectional views of concrete pavement curb tie details, labeled OPTION 1, OPTION 2, and OPTION 3.

OPTION 1: Shows a cross-section of a curb tie. The total width is 2'-0". The curb tie is 7" wide at the top and 6" wide at the bottom. The vertical offset from the profile grade to the top of the curb tie is 6". The curb tie is labeled "COLD JOINT" and "ROUGH SURFACE". The concrete pavement limit is indicated.

OPTION 2: Shows a cross-section of a curb tie. The total width is 2'-0". The curb tie is 7" wide at the top and 6" wide at the bottom. The vertical offset from the profile grade to the top of the curb tie is 6". The concrete pavement limit is indicated.

OPTION 3: Shows a cross-section of a curb tie. The total width is 2'-0". The curb tie is 7" wide at the top and 6" wide at the bottom. The vertical offset from the profile grade to the top of the curb tie is 6". The curb tie is labeled "COLD JOINT" and "ROUGH SURFACE". The concrete pavement limit is indicated.

CURB TIE DETAIL: A detailed cross-section of the curb tie. The curb tie is 14" wide at the bottom and 5 1/2" high. The curb tie is labeled "COLD JOINT" and "ROUGH SURFACE". The concrete pavement limit is indicated.

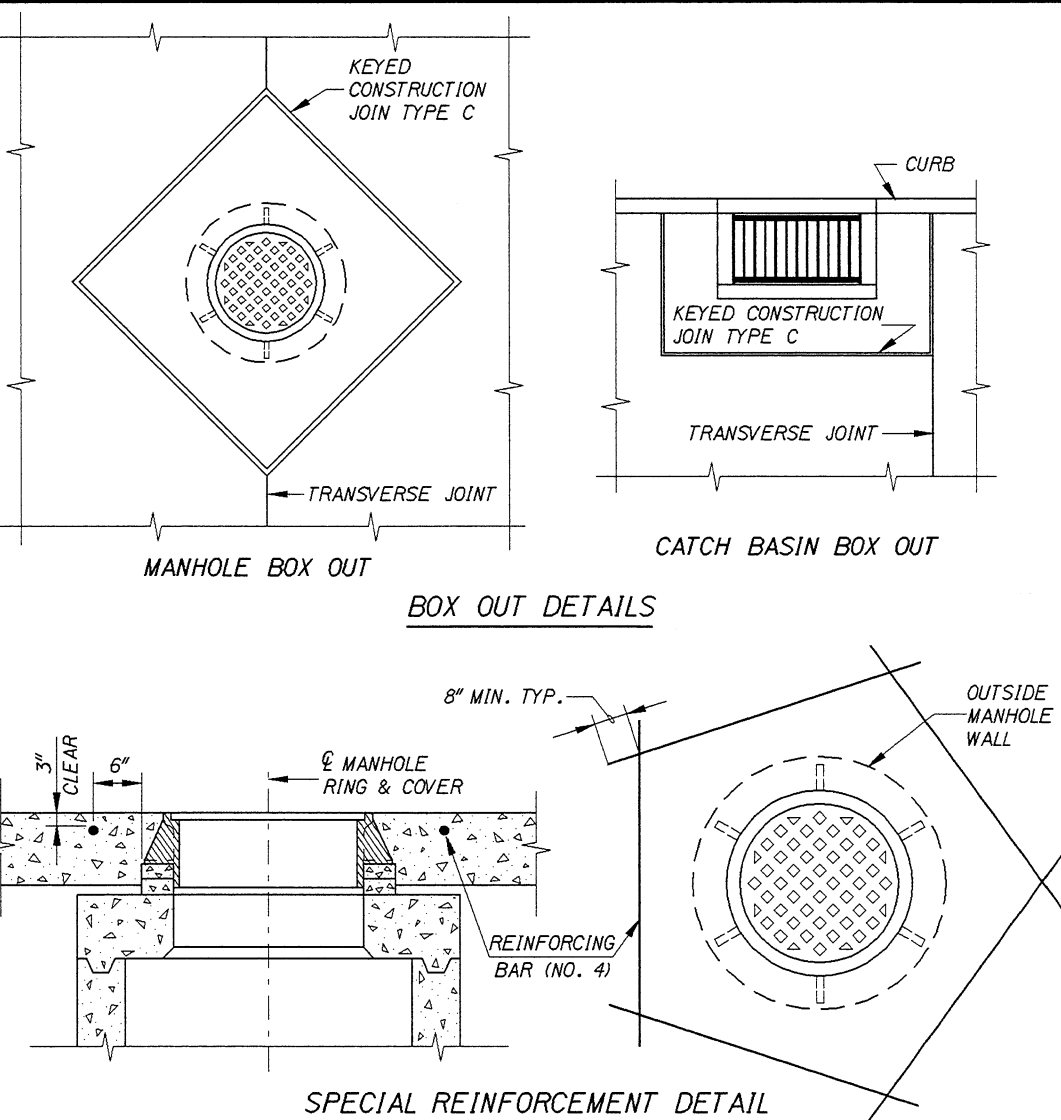
The diagrams illustrate four types of construction joints:

- KEYED CONSTRUCTION JOINT - TYPE C:** Shows a joint with a keyway formed by a fastening key to form. The keyway has a $1/8"$ radius. An arrow indicates the "DIRECTION OF PLACEMENT".
- KEYED CONSTRUCTION JOINT - TYPE C:** Shows a joint with a keyway formed by a fastening key to form. The keyway has a $1/8"$ radius. The joint is reinforced with NO.4 DEFORMED TIE BARS, 30" LONG AT 30" CTRS. The joint width is $D/2$ and the depth is $D/2$.
- SAWED OR PREMOLDED STRIP CONSTRUCTION JOINT - TYPE B:** Shows a joint with a premolded strip. The strip has a $1/4"$ radius. The joint is flush with the surface. The joint width is D and the depth is $D/4$.
- TIED TRANSVERSE CONSTRUCTION JOINT ALTERNATIVE TYPE D:** Shows a joint reinforced with NO.8 DEFORMED TIE BARS, 15" LONG AT 12" CTRS. The joint has a $1/8"$ radius. The joint width is D and the depth is $D/2$.

The image contains two technical drawings. The left drawing, titled 'KEYWAY DETAIL', shows a cross-section of a concrete slab with a keyway. Dimensions include a keyway width of 3/4", a key height of 1/2", and a key depth of 1/4". The slab thickness is labeled as D/2. The right drawing, titled 'HOT POURED JOINT FILLER DETAIL', shows a cross-section of a joint. It features a 'HEAT RESISTANT BACKER ROD OF TYPE RECOMMENDED BY JOINT FILLER MANUFACTURER' with a diameter of 1/8". The joint width is 1", and the backer rod is positioned 1/8" from the top and bottom surfaces.

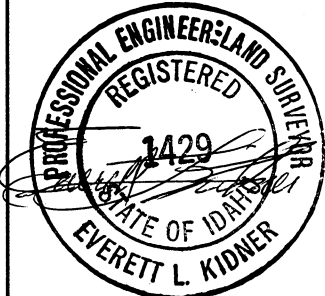
FOR SLABS 7" TO 10" THICK
KEYWAY DETAIL

HOT POURED JOINT FILLER DETAIL



NOTES

1. THE TYPICAL PAVEMENT JOINT PATTERN SHOWN IS FOR ILLUSTRATION PURPOSES ONLY AND IS INTENDED TO BE USED AS A GUIDE IN DEVELOPING THE JOINT PATTERN FOR THE PROJECT. THE CONTRACTOR SHALL PREPARE A PAVEMENT JOINT PATTERN FOR THE ENTIRE PROJECT FOR APPROVAL BY THE ENGINEER.
2. WHEN POSSIBLE, MANHOLES SHALL BE CENTERED BETWEEN JOINTS. JOINT SPACING MAY BE ADJUSTED NEAR MANHOLES, WITHIN THE STANDARD LIMITS. MANHOLES SHOULD BE AT LEAST TWO FEET FROM A JOINT. IF THIS IS NOT FEASIBLE, THE MANHOLE SHALL BE CENTERED ON THE JOINT. WHEN A MANHOLE IS LOCATED TWO TO FOUR FEET FROM A JOINT, SPECIAL REINFORCEMENT, AS SHOWN, SHALL BE PLACED AROUND THE MANHOLE.
3. IF THE CONTRACTOR ELECTS TO BOX OUT AROUND THE MANHOLE OR CATCH BASIN FRAMES AND PLACE THE PAVEMENT AROUND THE FRAME AS A SEPARATE OPERATION, KEYED CONSTRUCTION JOINTS SHALL BE PLACED AS SHOWN IN THE BOX OUT DETAIL.
4. JOINTS IN THE CURBS SHALL COINCIDE WITH TRANSVERSE JOINTS IN THE PAVEMENT.
5. SEE STANDARD DRAWING H-1 FOR ADDITIONAL NOTES ON REQUIREMENTS FOR CURB CONSTRUCTION.
6. THE CONTRACTOR MAY PLACE CURBS AS SHOWN IN OPTIONS 1, 2 OR 3.
7. SAWED JOINTS SHALL BE 1/4" WIDE AND SHALL BE FILLED WITH HOT POURED ELASTOMERIC JOINT FILLER MEETING REQUIREMENTS OF ASTM D-3406 OR A NEOPRENE COMPRESSION SEAL OF APPROVED CONFIGURATION MEETING THE REQUIREMENTS OF SUBSECTION 704.04 MAY BE USED.



REVISIONS											
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CADD FILE NO.
cla_0696.std

DRAWING DATE:
APRIL, 1978

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STANDARD DRAWING

URBAN CONCRETE PAVEMENT DETAILS

FORM CATALOG NUMBER

STANDARD DRAWING NO.

C-1-A

SHEET 1 OF 1